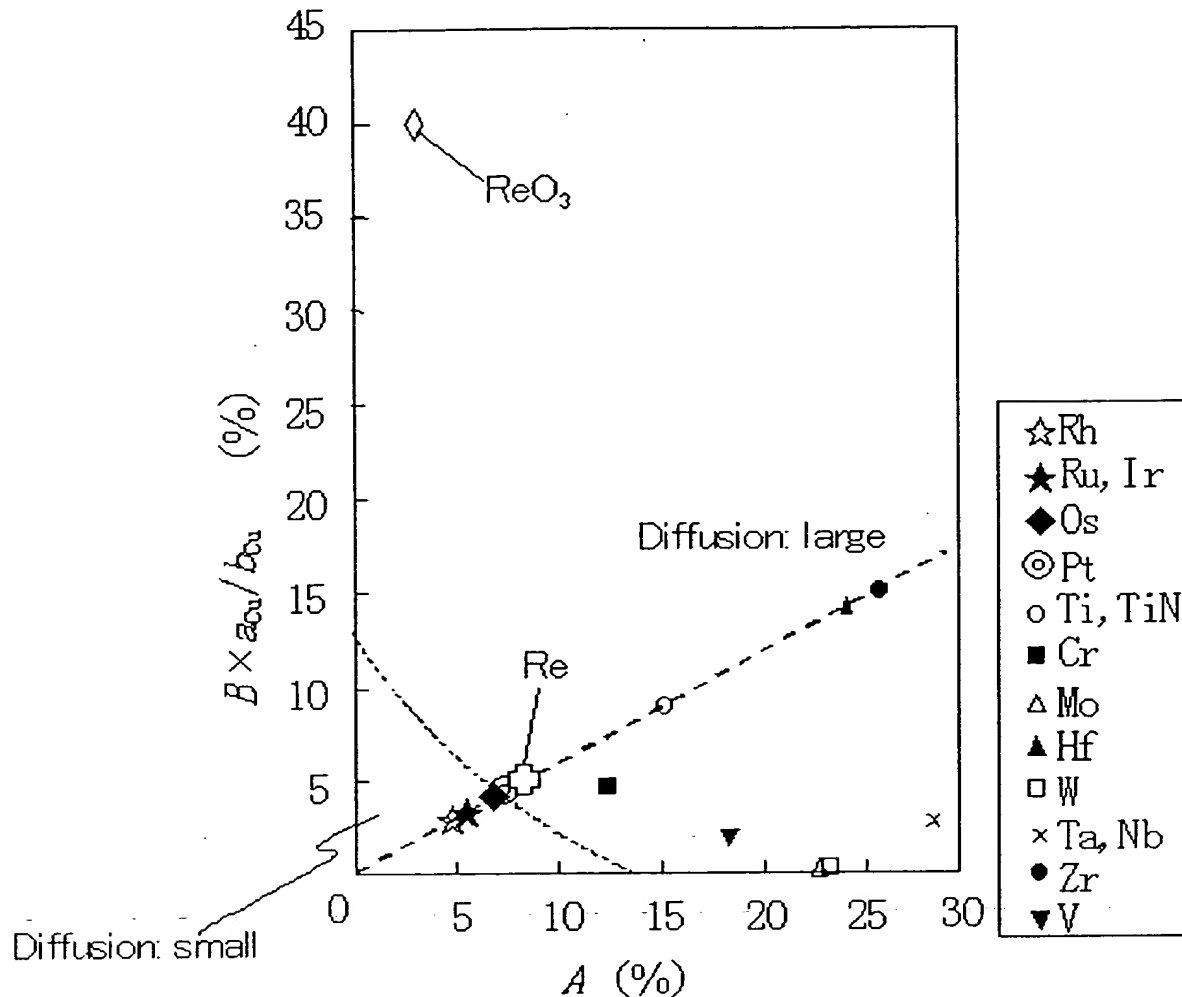


SKETCH 1

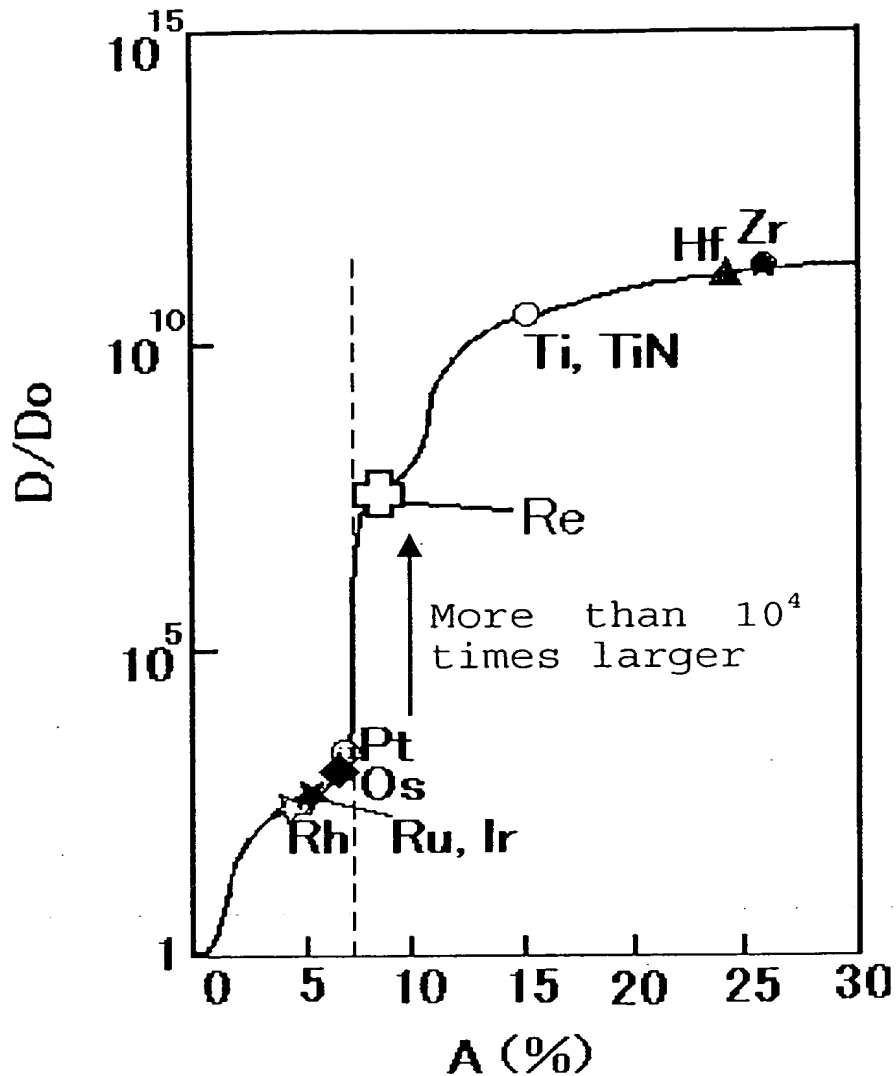


Relationship between lattice mismatch and diffusion along a Cu line

1. The diffusion along a Cu line at the Cu/Re structure has more than 10^4 times larger than that at the Cu/Ru structure.

2. The diffusion along a Cu line at the Cu/ReO₃ structure has more than 10^{10} times larger than that at the Cu/Ru structure.

SKETCH 2



1. The diffusion along a Cu line at the Cu/Re structure has more than 10^4 times larger than that at the Cu/Ru structure.

2. The diffusion along a Cu line at the Cu/ ReO_3 structure has more than 10^{10} times larger than that at the Cu/Ru structure.